

**Table 749-2**

**Priority contaminants of ecological concern for sites that qualify for the simplified terrestrial ecological evaluation<sup>a</sup>**

Soil Concentration (mg/kg)		
Priority Contaminant	Unrestricted Land Use <sup>b</sup>	Industrial or Commercial Site
<b>METALS<sup>c</sup></b>		
Antimony	See Note <sup>d</sup>	See Note <sup>d</sup>
Arsenic III	20 mg/kg	20 mg/kg
Arsenic IV	95 mg/kg	260 mg/kg
Barium	1,250 mg/kg	1,320mg/kg
Beryllium	25 mg/kg	See Note <sup>d</sup>
Cadmium	25 mg/kg	36 mg/kg
Chromium (total)	42 mg/kg	135 mg/kg
Cobalt	See Note <sup>d</sup>	See Note <sup>d</sup>
Copper	100 mg/kg	550 mg/kg
Lead	220 mg/kg	220 mg/kg
Magnesium	See Note <sup>d</sup>	See Note <sup>d</sup>
Manganese	See Note <sup>d</sup>	23,500 mg/kg
Mercury, inorganic	9 mg/kg	9 mg/kg
Mercury, organic	0.7 mg/kg	0.7 mg/kg
Molybdenum	See Note <sup>d</sup>	71 mg/kg
Nickel	100 mg/kg	1,850 mg/kg
Selenium	0.8 mg/kg	0.8 mg/kg
Silver	See Note <sup>d</sup>	See Note <sup>d</sup>
Tin	275 mg/kg	See Note <sup>d</sup>
Vanadium	26 mg/kg	See Note <sup>d</sup>
Zinc	270 mg/kg	570 mg/kg
<b>PESTICIDES</b>		
Aldicarb/aldicarb sulfone (total)	See Note <sup>d</sup>	See Note <sup>d</sup>
Aldrin	0.17 mg/kg	0.17 mg/kg
Benzene hexachloride (including lindane)	10 mg/kg	10 mg/kg

Carbofuran	See Note <a href="#">d</a>	See Note <a href="#">d</a>
Chlordane	1 mg/kg	7 mg/kg
Chlorpyrifos/chlorpyrifos-methal (total)	See Note <a href="#">d</a>	See Note <a href="#">d</a>
DDT/DDD/DDE	1 mg/kg	1 mg/kg
Dieldrin	0.17 mg/kg	0.17 mg/kg
Endosulfan	See Note <a href="#">d</a>	See Note <a href="#">d</a>
Endrin	0.4 mg/kg	0.4 mg/kg
Heptachlor/heptachlor epoxide (total)	0.6 mg/kg	0.6 mg/kg
Hexachlorobenzene	31 mg/kg	31 mg/kg
Parathion/methyl parathion (total)	See Note <a href="#">d</a>	See Note <a href="#">d</a>
Pentachlorophenol	11 mg/kg	11 mg/kg
Toxaphene	See Note <a href="#">d</a>	See Note <a href="#">d</a>
OTHER CHLORINATED ORGANICS		
Chlorinated dibenzofurans (total)	3E-06 mg/kg	3E-06 mg/kg
Dioxins	5E-06 mg/kg	5E-06 mg/kg
Hexchlorophene	See Note <a href="#">d</a>	See Note <a href="#">d</a>
PCB mixtures (total)	2 mg/kg	2 mg/kg
Pentachlorobenzene	168 mg/kg	See Note <a href="#">d</a>
OTHER NONCHLORINATED ORGANICS		
Acenaphthene	See Note <a href="#">d</a>	See Note <a href="#">d</a>
Benzo(a)pyrene	30 mg/kg	300 mg/kg
Bis (2-ethylhexyl) phthalate	See Note <a href="#">d</a>	See Note <a href="#">d</a>
Di-n-butyl phthalate	200 mg/kg	See Note <a href="#">d</a>
PETROLEUM		
Gasoline Range Organics	200 mg/kg	12,000 mg/kg  except that the concentration shall not exceed residual saturation at the soil surface.
Diesel Range Organics  Common examples of diesel range organics include: Diesel #2, Fuel Oil #2, and light oil including some bunker oils. Refer to <a href="#">Table 830-1</a>	460 mg/kg	15,000 mg/kg  except that the concentration shall not exceed residual saturation at the soil surface.

Table 749-2 Notes

<sup>a</sup> Caution on misusing these chemical concentration numbers. These values have been developed for use at sites where a site-specific terrestrial ecological evaluation is not required. They are not intended to be protective of terrestrial ecological receptors at every site. Exceedances of the values in this table do not necessarily trigger requirements for cleanup action under this chapter. The table is not intended for purposes such as evaluating sludges or wastes.

This list does not imply that sampling must be conducted for each of these chemicals at every site. Sampling should be conducted for those chemicals that might be present based on available information, such as current and past uses of chemicals at the site.

<sup>b</sup> Applies to any site that does not meet the definition of industrial or commercial.

<sup>c</sup> For arsenic, use the valence state most likely to be appropriate for site conditions, unless laboratory information is available. Where soil conditions alternate between saturated, anaerobic and unsaturated, aerobic states, resulting in the alternating presence of arsenic III and arsenic V, the arsenic III concentrations shall apply.

<sup>d</sup> Safe concentration has not yet been established.

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